

As the below named inventors, we hereby declare that our residence, post office address and citizenships are as stated below next to our names: that we verily believe we are the original and joint inventors of the subject matter claimed and for which a patent is sought in the application entitled:

A NEW ESSENTIAL DOWNSTREAM COMPONENT OF THE WINGLESS SIGNALING

PATHWA	Y AND THERAPELETIC AND DIA	GNOSTIC APPLICATIONS BA	SED THEREON
which application is: the attached appl	ication	☑ Application No	. 09/915,543
(for original application)	(NOV 0 9 2001 兴)		, and amended on July 27, 2001
	P. J. S.	and (for declaration not	accompanying application)
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amended by any amendmen material to the patentability States Code §119, §172 or and have also identified on	understand the contents of the specific referred to above; that we acknowled of this application under 37 C.F.R. § \$365 of any provisional application or a said list any foreign application for application on which priority is claimed	dge our duty to disclose information 1.56, that we hereby claim prior foreign application(s) for patent opatent or inventor's certificate on	on of which we are aware which is ity benefits under Title 35, United r inventor's certificate listed below this invention having a filing date
Application Number	Country	Filing Date	Priority Claimed
60/221,502	United States	July 28, 2000	YES
subject matter of each of provided by the first paragr to the patentability of this	it of Title 35, United States Code §120 the claims of this application is not caph of Title 35, United States Code, § application under 37 C.F.R. 1.56 which al filing date of this application:	disclosed in a listed prior United 112, We acknowledge our duty to	States application in the manner disclose any information material
Application No	o. Filing I	Date	Status
28,703; John R. Inge, Reg Turner, Reg. No. 29,710; I 31,333; Gordon Kit, Reg. N 32,197; William H. Mandi Rosner, Reg. No. 33,276; I Robert M. Masters, Reg. N transact all business in the I	Jo. 24,861; Louis Gubinsky, Reg. No. No. 26,916; Joseph J. Ruch, Jr., Regloward L. Bernstein, Reg. No. 25,665 No. 30,764; Susan J. Mack, Reg. No. 3 r, Reg. No. 32,156; Scott M. Daniels, Bruce E. Kramer, Reg. No. 33,725; P. No. 35,603 and George F. Lehnigk, Reatent and Trademark Office connected UE, MION, ZINN, MACPEAK &	g. No. 26,577; Sheldon I. Landsr 5; Alan J. Kasper, Reg. No. 25,42 0,951; Frank L. Bernstein, Reg. N Reg. No. 32,562; Brian W. Hanr aul F. Neils, Reg. No. 33,102; Br Reg. No. 36,359, our attorneys to d therewith, and request that all co.	nan, Reg. No. 25,430; Richard C. 6; Kenneth J. Burchfiel, Reg. No. 10, 31,484; Mark Boland, Reg. No. 10, Reg. No. 32,778; Abraham J. ett S. Sylvester, Reg. No. 32,765; prosecute this application and to rrespondence about the application
We hereby declare that all belief are believed to be tru so made are punishable by	statements made herein of our own ke; and further that these statements we fine or imprisonment, or both, under y jeopardize the validity of the applicat	re made with the knowledge that was section 1001 of Title 18 of the	villful false statements and the like
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∠ Date				First Name		
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Date	18 .1 0	1	Fourth Inventor	Thomas First Name	Middle Initial	KRAMPS Last Name
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	OLIVIL					
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_						PETER
•				Oliver First Name	Middle Initial	PETER Last Name
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DateResidence Post Office A	Zürich City .ddress:	SWITZERLAN State/Country c/o University Hospital Zür Rämistrasse 100, CH-8091,	Fifth Inventor ID Signat	Oliver First Name ture	Middle Initial	Last Name
Date Residence Post Office A Citizenship	Zürich City ddress:	SWITZERLAN State/Country c/o University Hospital Zür Rämistrasse 100, CH-8091,	Fifth Inventor ID Signat	Oliver First Name ture	Middle Initial	Last Name
Date Residence Post Office A Citizenship Date	Zürich City ddress:	SWITZERLAN State/Country c/o University Hospital Zür Rämistrasse 100, CH-8091, ERLAND	Fifth Inventor ID Signat ich Zürich, SWITZER Sixth Inventor	Oliver First Name LLAND First Name	Middle Initial	Last Name
Date Residence Post Office A Citizenship	Zürich City ddress:	SWITZERLAN State/Country c/o University Hospital Zür Rämistrasse 100, CH-8091, ERLAND	Fifth Inventor ID Signat ich Zürich, SWITZER	Oliver First Name LLAND First Name	Middle Initial	Last Name
Date Residence Post Office A Citizenship Date Residence	Zürich City .ddress: SWITZI	SWITZERLAN State/Country c/o University Hospital Zür Rämistrasse 100, CH-8091, ERLAND	Fifth Inventor ID Signat ich Zürich, SWITZER Sixth Inventor	Oliver First Name LLAND First Name	Middle Initial	Last Name
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Date Residence Post Office A Citizenship Date Residence	Zürich City .ddress: SWITZI	SWITZERLAN State/Country c/o University Hospital Zür Rämistrasse 100, CH-8091, ERLAND	Fifth Inventor ID Signat ich Zürich, SWITZER Sixth Inventor	Oliver First Name LLAND First Name	Middle Initial	Last Name

SWITZERLAND

tizenship

DECLARATION AND POWER OF ATTORNEY

he below named inventors, we hereby declare that our residence, post office address and citizenships are as stated below next to names: that we verily believe we are the original and joint inventors of the subject matter claimed and for which a patent is sought e application entitled:

TO A COMPONENT OF THE WINGLESS S	IGNALING
A NEW ESSENTIAL DOWNSTREAM COMPONENT OF THE WINGLESS S	'D THEREON
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lication	M Applica	2001 and amended on July 27, 2001	
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5	(for declar	ation not accompanying application)	
d understand the contents of the spec	ification of the above-iden	tified application, including the claims	, as
ent referred to above; that we acknowled ty of this application under 37 C.F.R. § §365 of any provisional application of the said list any foreign application for	§ 1.56, that we hereby class for foreign application(s) for r patent or inventor's certification	im priority benefits under Title 35, Un patent or inventor's certificate listed be cate on this invention having a filing of	ited low
Country	Filing Date	Priority Claimed	
United States	July 28, 2000	YES	
f the claims of this application is no graph of Title 35, United States Code, application under 37 C.F.R. 1.56 where the contraction of the contra	t disclosed in a listed prior o adhawalla edve ou	r duty to disclose any information mate	erial
er die	a Date	Status	
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3,063; Robert V. Sloan, Reg. No. 22,7 No. 24,861; Louis Gubinsky, Reg. No. 26,916; Joseph J. Ruch, Jr., I. Howard L. Bernstein, Reg. No. 25,6 No. 30,764; Susan J. Mack, Reg. No. dir, Reg. No. 32,156; Scott M. Danie; Bruce E. Kramer, Reg. No. 33,725; No. 35,603 and George F. Lehnigk; Patent and Trademark Office connective. MION, ZINN, MACPEAK	o. 24,835; Neil B. Siegel, R. Reg. No. 26,577; Sheldon 1665; Alan J. Kasper, Reg. No. 30,951; Frank L. Bernsteinlis, Reg. No. 32,562; Brian Paul F. Neils, Reg. No. 3: Reg. No. 36,359, our attend therewith, and request to & SEAS, PLLC, 2100 in knowledge are true and the were made with the knowledger Section 1001 of Title 1	eg. No. 25,200; David J. Cushing, Reg. L. Landsman, Reg. No. 25,430; Richard No. 25,426; Kenneth J. Burchfiel, Reg. 1, Reg. No. 31,484; Mark Boland, Reg. W. Hannon, Reg. No. 32,778; Abrahan 3,102; Brett S. Sylvester, Reg. No. 32, orneys to prosecute this application and that all correspondence about the application Pennsylvania Avenue, N.W., Washing that willful false statements and the 8 of the United States Code and that statements are code and	No. d C. No. No. m J. 765; d to ation gton, and like
First I	nventor Konrad First Name	Middle Initial Last Name	
SWITZERLAND	Signature		
State/Country			
c/o Institute of Molecular Biology,	UNIZH		
Winterthurerstrasse 190, CH-8057,	, Zürich, SWITZERLAND		
	d understand the contents of the spectator referred to above; that we acknow ty of this application under 37 C.F.R. \$365 of any provisional application on said list any foreign application for application on which priority is claims. Country United States efit of Title 35, United States Code \$16 of the claims of this application is not graph of Title 35, United States Code application under 37 C.F.R. 1.56 whomal filling date of this application: No. Filing H. Mion, Reg. No. 18,879; Thomas 3,063; Robert V. Sloan, Reg. No. 22,7 No. 24,861; Louis Gubinsky, Reg. No. 26,916; Joseph J. Ruch, Jr., Jr., Howard L. Bernstein, Reg. No. 25,6 No. 30,764; Susan J. Mack, Reg. No. 30,764; Susan J. Mack, Reg. No. 35,603 and George F. Lehnigk application and George F. Lehnigk application and further that these statements where the part of our own rue; and further that these statements where the part of our own rue; and further that these statements where the part of our own rue; and further that these statements where the part of our own rue; and further that these statements where the part of our own rue; and further that these statements where the part of our own rue; and further that these statements where the part of our own rue; and further that these statements of the paper of t	Ay AND THERPEUTIC AND DIAGNOSTIC APPLICATION of the application filed July 2 and (for declar the referred to above; that we acknowledge our duty to disclose in the specification under 37 C.F.R. § 1.56, that we hereby clar § 365 of any provisional application or foreign application(s) for an said list any foreign application for patent or inventor's certification on which priority is claimed: Country Filing Date United States July 28, 2000 Title 35, United States Code § 120 of any United States application of this application is not disclosed in a listed priority application under 37 C.F.R. 1.56 which occurred between the onal filing date of this application: No. Filing Date H. Mion, Reg. No. 18,879; Thomas J. Macpeak, Reg. No. 19, 3,063; Robert V. Sloan, Reg. No. 22,775; Peter D. Olexy, Reg. No. 24,861; Louis Gubinsky, Reg. No. 24,835; Neil B. Siegel, Reg. No. 26,916; Joseph J. Ruch, Jr., Reg. No. 26,577; Sheldon 18; Howard L. Bernstein, Reg. No. 25,665; Alan J. Kasper, Reg. No. 30,764; Susan J. Mack, Reg. No. 30,951; Frank L. Bernstein dir, Reg. No. 31,156; Scott M. Daniels, Reg. No. 32,562; Brian is Bruce E. Kramer, Reg. No. 33,725; Paul F. Neils, Reg. No. 35,603 and George F. Lehnigk, Reg. No. 36,359, our atternate and Trademark Office connected therewith, and request the RUE, MION, ZINN, MACPEAK & SEAS, PLLC, 2100 All statements made herein of our own knowledge are true and the rue; and further that these statements were made with the knowled by fine or imprisonment, or both, under Section 1001 of Title 1 and jeopardize the validity of the application or any patent issuing First Inventor Konrad First Name SWITZERLAND Signature	and (for declaration not accompanying application) and (for declaration not accompanying application) d understand the contents of the specification of the above-identified application, including the claims interferred to above, that we acknowledge our duty to disclose information of which we are aware which yof this application under 37 C.F.R. § 1.56, that we hereby claim priority benefits under Title 35, Unit § 365 of any provisional application or foreign application(s) for patent or inventor's certificate listed be application on which priority is claimed: Country Filing Date Priority Claimed Ualted States Duly 22, 2006 YES The claims of this application is not disclosed in a listed prior United States application in the margraph of Title 35, United States Code, § 112, We acknowledge our duty to disclose any information mate graph of Title 35, United States Code, § 112, We acknowledge our duty to disclose any information mate sapplication under 37 C.F.R. 1.56 which occurred between the filing date of the prior application and small filing date of this application: Mo. Filing Date States H. Mion, Reg. No. 18,879; Thomas J. Macpeak, Reg. No. 19,292; Robert J. Seas, Jr., Reg. No. 24,30,503; Robert V. Sloan, Reg. No. 22,775; Peter D. Olexy, Reg. No. 24,513; J. Frank Osha, Reg. No. 25,430; Richard States application, and the prior application in the marger of the prior of the prior application and small filing date of this application: Mo. 24,861; Louis Gubinsky, Reg. No. 24,825; Neils B. Siegel, Reg. No. 25,00; David J. Cushing, Reg. No. 26,916; Joseph J. Ruch, Jr., Reg. No. 26,577; Sheldon I. Landsman, Reg. No. 25,430; Richard M. States application and states appl

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Date ./	2 fiplic	Second Inventor Erich	BRUNNER
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Citizenship	SWITZE	RLAND	
Date	10.9.6	Third Inventor Barbara	FROESCH
	•	First Name Middle Initial	Last Name
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	City	State/Country	
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	- Manager		10.00000000000000000000000000000000000
Date		Fourth Inventor Thomas First Name Middle Initial	KRAMPS Last Name
Residence	Zürich	SWITZERLAND Signature	Last Name
Kesidenee	City	State/Country	
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Citizenship	GERMA	NY	
Date		Fifth Inventor Oliver	PETER
		First Name Middle Initial	Last Name
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Citizenship	SWITZE	RLAND	
Date		Sixth Inventor	
		First Name Middle Initial	Last Name
Residence	City	Signature State/Country	
	City	State Country	
Post Office A	ddress:		
Citizenshin			



DECLARATION AND POWER OF ATTORNEY

As the below named inventors, we hereby declare that our residence, post office address and citizenships are as stated below next to our names: that we verily believe we are the original and joint inventors of the subject matter claimed and for which a patent is sought in the application entitled:

A NEW ESSENTIAL DOWNSTREAM COMPONENT OF THE WINGLESS SIGNALING PATHWAY AND THE PAUTIC AND DIAGNOSTIC APPLICATIONS BASED THEREON

DATHWAY AND REPRESENTED AND DIAGO	OSTIC AT LICATION DIFFE
which application is: the attached application (for original application)	Mapplication No. 09/915,543 filed July 27, 2001, and amended on July 27, 2001 and (for declaration not accompanying application)

that we have reviewed and understand the contents of the specification of the above-identified application, including the claims, as amended by any amendment referred to above; that we acknowledge our duty to disclose information of which we are aware which is material to the patentability of this application under 37 C.F.R. § 1.56, that we hereby claim priority benefits under Title 35, United States Code §119, §172 or §365 of any provisional application or foreign application(s) for patent or inventor's certificate listed below and have also identified on said list any foreign application for patent or inventor's certificate on this invention having a filing date before that of any foreign application on which priority is claimed:

Application Number Country Filing Date Priority Claimed

60/221,502 United States July 28, 2000 YES

We hereby claim the benefit of Title 35, United States Code §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in a listed prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, We acknowledge our duty to disclose any information material to the patentability of this application under 37 C.F.R. 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.

Filing Date

Status

We hereby appoint John H. Mion, Reg. No. 18,879; Thomas J. Macpeak, Reg. No. 19,292; Robert J. Seas, Jr., Reg. No. 21,092; Darryl Mexic, Reg. No. 23,063; Robert V. Sloan, Reg. No. 22,775; Peter D. Olexy, Reg. No. 24,513; J. Frank Osha, Reg. No. 24,625; Waddell A. Biggart, Reg. No. 24,861; Louis Gabushy, Reg. No. 24,835; Weil B. Siegel, Reg. No. 25,200; David J. Cushing Reg. No. 28,703; John R. Inge, Reg. No. 26,916; Joseph J. Ruch, Jr., Reg. No. 26,577; Sheldon I. Landsman, Reg. No. 25,430; Richard C. Turner, Reg. No. 29,710; Howard L. Bernstein, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,426; Kenneth J. Burchfiel, Reg. No. 31,333; Gordon Kit, Reg. No. 30,764; Susan J. Mack, Reg. No. 30,951; Frank L. Bernstein, Reg. No. 31,484; Mark Boland, Reg. No. 32,197; William H. Mandir, Reg. No. 32,156; Scott M. Daniels, Reg. No. 32,562; Brian W. Hannon, Reg. No. 32,778; Abraham J. Rosner, Reg. No. 33,276; Bruce E. Kramer, Reg. No. 33,725; Paul F. Neils, Reg. No. 33,102; Brett S. Sylvester, Reg. No. 32,765; Robert M. Masters, Reg. No. 35,603 and George F. Lehnigk, Reg. No. 36,359, our attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and request that all correspondence about the application be addressed to SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC, 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213.

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

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Date			Fourth Invento	Thomas	Middle Initial	KRAMPS Last Name
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		Winterthurerstrass	e 190, CH-8057, Zürich, S	WITZERLAND		
Citizenship	GERMA	NY				
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Date	12.03.		Fifth Inventor	Oliver First Name	Middle Initial	PETER Last Name
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Citizenship Date	SWITZE	Rämistrasse 100, C	Sixth Inventor		Middle Initial	Last Name
Citizenship	SWITZE	Rämistrasse 100, C	Sixth Inventor	First Name	Middle Initial	Lest Name